

BIO-DATA

PERSONAL DETAILS

Name	Muhammad Umar Khan
Fathers Name	Gul Janan
Sex	Male
Place of Birth	Karak. NWFP (Pakistan)
Date of Birth	8-2-1956.
Marital Status	Married
Nationality	Pakistani
Domicile	District Karak (NWFP)
National Identity Card No.	12101-7512678-3
Designation	Assistant Professor
Department/ Institution	Agricultural Chemistry, Faculty of Agriculture, Gomal University Dera Ismail Khan. NWFP. Pakistan.
Contact Numbers	0966/750426-30 ext. 3059.

ACADEMIC QUALIFICATION

Education	Specialization	Year	Marks	Board /Uni.	DIV/Grade.
S.S.C.	Science	1971	660/900	Peshawar Board	1 st
F.Sc	Pre-Medical	1973	571/1000	-do-	2 nd
B.Sc	Pre-Medical	1977	319/500	Peshawar Univ.	1 st
M.Sc	Bio chemistry	1979	3.38(72%)	-do-	G (B)
M.Phil	Bio chemistry	1990	4.1(81%)	Quaid-e-Azam Univ. Islamabad.	G (A)
Ph.D	Agril-Chemistry/ Soil-Chemistry (Soil Sciences)	2003	-	Gomal University. D. I. Khan (Pakistan)	-

Dissertation

- i) M.Phil Title “Interaction of Horse Liver Alcohol Dehydrogenase with Organic Hydroperoxidases”
- ii) Ph. D Title “Effect of Different Levels of Zn Fertilization Applied by Different Methods on the Yield and Grain Quality of Rice (IRRI-6)”.

Students supervised

i) Graduate

Supervised and produced 16 **B.Sc(Hon,s)** Students.

ii) M.Sc(Hon,s)

Supervised and produced eight **M.Sc(Hon,s)** Students.

iv) Ph.D

Three Ph. D scholars are registered

No. of courses taught

I have been teaching Biochemistry to B.Sc. (Hon’s) and M.Sc. (Hon’s) Agriculture classes and supervising M.Sc. (Hon’s) / M.Phil and Ph.D. students in their research project.

Research Work during Year 2005,2006,and 2007.

- i) Completed a research project worth of 1.6 million entitled “**Response of Rice to Soil and Root Dip Zn Application under Integrated Fertilization**” granted by HEC.
- ii) Completed a research project entitled” Yield and Quality of Rice (Oryza sativa L.) as Affected by Different Levels and Methods of Zn application” sponsored by UGC.
- iii) Completed a research project worth of 0.03 million entitled “Strategies for Enhancing Productivity of Soils on Sustainable Basis Through Integrated Use of Plant Nutrients in Rice- Wheat Cropping System” granted by G.U. D.I. Khan.

OTHER RELATED EXPERIENCE

- i) Supervised graduate and post graduate students in their Research and Theses Evaluation etc.
- ii) Have been working on the improvement of soil and crop yield through the use of trace elements like Zn, Cu, B, etc. Some promising results have been achieved and published in scientific journals. Research work in the relevant fields is in progress and more useful findings are expected.

RESEACH PUBLICATIONS

a. Published	26
b. In the press SJA, Peshawar	02
c. Under Process	06

MEDIUM OF INSTRUCTION

English

LANGUAGE

a)	English	:	Can read, write and speak
b)	Urdu	:	Can read, write and speak
c)	Pashto	:	Can read , write and speak
d)	Arabic	:	Can read , write only
e)	Persian	:	Can read , write only

GENERAL INTERESTS

Sports and Reading Science Magazines.

TRAINING

Tofel Training	1999	United State Agency International Development Academy for Education Development.
Installation of Amino Acid Analyzer Training.	2004	Sykam GmbH, GEWERBERING 15 D-86922 ERESING, Germany
Staff Development Course,	2007	National Academy of Higher Education Pakistan.

Experience

- 1) Served for eight years as a Lecturer in Biochemistry in the Faculty of Agriculture, Gomal University, Dera Ismail Khan, NWFP, PAKISTAN.
- 2) Worked for 20 years and six months as an Assistant Professor in Biochemistry in the Faculty of Agriculture, Gomal University, Dera Ismail Khan.
- 3) Working as Professor in Agriculture Chemistry in the Faculty of Agriculture, Gomal University, Dera Ismail Khan since 04 -12-2008.

Future Aims

I want to gain more knowledge in the field of Soil Science / Biochemistry/Agriculture Chemistry so that I would be able to apply that to the soil problems of Pakistan.

Research Areas and Responsibilities.

- 1) To conduct research on different aspects of trace elements and biowastes and their role in soil improvement and crop production.
- 2) To supervise the postgraduate and Ph. D Research Scholars of Agricultural Chemistry and Soil Science.

ADMINISTRATIVE EXPERIENCE

- 1) Worked as a warden of hostel, Faculty of Agriculture, Gomal University, Dera Ismail Khan, NWFP, Pakistan from 1980-82, 1985-87 and 1991-92 respectively.
- 2) Working as a Chairman of the Department of Agriculture Chemistry, Faculty of Agriculture since 08/12/2004.

Publications List.

- 1). A. Ahad. S.Rehman and **M.Umar**. (1983). Comparative effectiveness of Mechanical and chemical methods of weed control in maize. Gomal Uni. Res. 2 (2). Pp.127-132.
- 2) A, Ahad. **M. Umar** and Liaqathullah. (1983). Control of Borer (*Chilozenellus*, s) Infestation of corn by weed control method. Gomal Uni. . J. Res. 3 (1). Pp.1-4.
- 3) A. Nawaz. **M. Umar**., A.Majid and L, Skrusky. (1990). Thymine hydroperoxide a substrate for horse liver alcohol dehydrogenase. Proc. Pakistan Congr. Zool., Vol.10, pp. 225 – 240.
- 4) Musk-I-Alum. **M. Umar**., M. Ali and E. Rehman. (1992). Effects of calcium chloride and sodium chloride induced salinity on germination, wet and dry weight of radicle and plumule of sun flower (*Helianthus annuas* L.) varieties. Gomal Uni. J. Res. 12(1). pp.79-85.
- 5) Musk-I-Alum. **M. Umar**., M. Ali and E. Rehman. (1992). Effects of calcium chloride and sodium chloride induced salinity on plant height, leaf areas, wet and dry weight of the plants of sunflower (*Helianthus annuas* L.) varieties. Gomal Uni. J. Res. 12(1). pp.87-95.
- 6) Musk-I-Alum. **M. Umar**., M. Ali and E. Rehman. (1993). Effects of calcium chloride and sodium chloride induced salinity on Na^+ , K^+ , Ca^{++} and Cl^- contents of radicle and plumule of sun flower (*Helianthus annuas* L.) varieties. Gomal Uni .J. Res.13 (1). Pp.65-74.
- 7) Musk-I-Alum. **M. Umar**. M. Ali and E. Rehman. (1993). Effects of salinity Levels on Na^+ , K^+ , Ca^{++} and Cl^- contents of shoot 1st and 2nd harvest of sun flower *Helianthus annuas* L.) Varieties. Gomal Uni. J. 13(1). Pp. 75-84.
- 8) **M. Umar**, M Qasim and M. Jamil. (2002). Response of rice to Zn fertilizer in Calcareous soils of D. I. Khan. Asian. J. Plant Sci.Vol. No.1, pp.1-2.
- 9) **M. Umar**, M. Qasim and M. Jamil. (2002). Effect of different levels of Zn on The Extractable content of soil and chemical composition of rice. Asian. J. Plant Sci. Vol. No.1, pp.20-21.

- 1) **M. Umar**, M. Qasim, M. Subhan, M. Jamil and R. Ahmad. (2003). Response of rice to different methods of Zn application in calcareous soils. Pak. J. Appl. Sci. 3(7): pp.524-529.
- 11) **M. Umar**, M. Qasim, M. Subhan, R. Ahmad and L. Ali. (2003). Effect Of Zinc Application by Different Methods on the Chemical Composition and Grain Quality of Rice. Pak. J. Appl. Sci. 3(7): pp.530-536.
- 12) Subhan, M. Qasim, **M. Umar** and R. Ahmad. (2003). Combining ability for yield and its composition in upland cotton. Asian. J. Plant Sci. 2(7): 519-522.
- 13) M. Subhan, M. Qasim, **M. Umar** and R. Ahmad. (2003) Diallel analysis for estimating Combining ability of quantitatively inherited traits in upland cotton. Asian J. Plant Sci.2 (11): pp.853-857.
- 14) M. Qasim, M. Jamil, **M. Umar** and M. Subhan. (2003). Yield and Quality of Sunflower in Response to Nitrogen Fertilizer Nutrition. Pure and Appl. Sci. 22(1) pp. 89-94.
- 15) R. Ahmad, A. J. Malik, M. A. Chang, G. Hassan, M. Subhan, **M. Umar** and L. Ali. (2003). Comparison of Combining Ability of Yield Components of Plan Land and Edges Pattern of Plantation in *Gossypium hirsutum* L. Pak. J. Appl. Sci. 3(6): Pp.391- 399.
- 16) M. Jamil Khan, M.Qasim Khan and **M.Umar Khan**. (2004). Impact of Organic Wastes (Sewage Sludge) on the Yield of Wheat (*Triticum aestivum* L). International. J. Agri. Biol. 6(3): 465-467.
- 17) M.Jamil Khan, M.Qasim Khan and **M.Umar Khan**. (2004). Impact of Organic Wastes (Bagas Ash) on the Yield of Wheat (*Triticum aestivum* L). International. J.Agric. Biol. 6(3): 468-470.
- 18) **M. Umar**, M. Qasim and M. Jamil. (2004). Effect of Zn on starch content of paddy and Zinc contents of soil, leaf and root in calcareous soils of D. I. Khan. International J. Agri. Biol. 6(6): 1132-1135.
- 19) **M. Umar**, M. Qasim and M. Jamil. (2005). Effect Of Different levels of Zn on TheYield and Yield Components of Rice in Different Soils of D. I. Khan, Pakistan. Sarhad. J. Agric. 1(1): 63-69.
- 20) **M. Umar**, M. Qasim, M. Jamil and K. Usman. (2005). Zinc Status of Soil and Starch Content of paddy as influenced by Root Dip method of Zn application. Sarhad. J. Agric. 21(3). 403-408.
- 21) K. Usman, E. Ahmad, M. Qasim and **M. Umar**. (2005). Integrated Weed Management In Okra. Pak J. Weed Sci. Res. 11(1-2): 55-60.
- 21) R. Ahmad, A. J. Malik, G. Hassan, and **M. Umar**. (2005). GENETIC ARCHITECTURE OF SOME QUANTITATIVE TRAITS OF COTTON (*Gossypium hirsutum* L.). Gomal University. J. Res.21: 55-57.

- (23) K. Usman, E. Ahmad, M. Qasim and **M. Umar**. (2006). Agronomic evaluation of selected wheat lines at Various Locations in NWFP (Pakistan). *Sarhad. J. Agric.* 22 (3). 367-372.
- 24) K. Usman, E. Ahmad, M. Qasim and **M. Umar**. (2005). Effect of detopping on forage and grain yield of Rice under agro-climatic conditions of D.I.Khan. *Sarhad. J. Agric.* 23 (1). 1-4.
- 25) **M. Umar**, M. Qasim and Israrullah. (2007). Effect of Zn Fertilizer on Rice Grown in Different Soils of Dera Ismail Khan. *Sarhad. J. Agric.* 23 (4).1033-39.
- 26) **M. Umar**, M. Qasim and Israrullah. (2007). Effect of integrated nutrient management on crop yields in rice-wheat cropping system. *Sarhad. J. Agric.* 23 (4).1033-39.